

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

In the Claims:

1. (currently amended) A bicycle stem for connecting a bicycle handlebar to a bicycle steering tube, the bicycle stem comprising:

a body portion having a tubular shape with a hollow interior and opposing first and second ends;

a handlebar clamping portion having a first arcuate extent and connected to the first end of said body portion;

a handlebar clamping member having a second arcuate extent and cooperating with said handlebar clamping portion to clamp the bicycle handlebar therebetween;

said handlebar clamping member and said handlebar clamping portion each having a recess for the handlebar and a cavity in a respective medial portion of the recess to accommodate an enlarged diameter portion of the handlebar, the cavity in said recess of said handlebar clamping portion extending fully over the first arcuate extent thereof, and the cavity in said recess of said handlebar clamping member extending fully over the second arcuate extent thereof,
wherein the cavity of said handlebar clamping portion has an opening therein in communication with the hollow interior of said body portion;

at least one fastener for securing said handlebar clamping member to said handlebar clamping portion; and

a steering tube clamping portion connected to the second end of said body portion.

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

2. (previously amended) A bicycle stem according to Claim 1 wherein said handlebar clamping member has a generally rectangular shape with said recess therein defining with the cavity a pair of spaced apart contact areas for contacting the handlebar.

As1 cont
3. (original) A bicycle stem according to Claim 1 wherein said handlebar clamping member is removable from said handlebar clamping portion.

4. (previously amended) A bicycle stem according to Claim 1 and wherein said recess of said handlebar clamping portion defines with the cavity a pair of spaced apart contact areas for contacting the handlebar.

5. (cancelled).

6. (original) A bicycle stem according to Claim 1 wherein said handlebar clamping member and said handlebar clamping portion both have generally rectangular shapes overlying one another.

7. (original) A bicycle stem according to Claim 6 wherein said at least one fastener comprises respective fasteners securing corners of said handlebar clamping member and said handlebar clamping portion together.

8. (original) A bicycle stem according to Claim 1 wherein said body portion, handlebar clamping portion and

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

steering tube clamping portion are integrally formed as a monolithic unit.

9. (original) A bicycle stem according to Claim 1 wherein said steering tube clamping portion has a tubular shape defining a steering tube receiving passageway therethrough, and wherein said steering tube clamping portion also has a clamp receiving passageway therein transverse to the steering tube receiving passageway and in communication therewith.

10. (original) A bicycle stem according to Claim 9 further comprising a steering tube clamp in the clamp receiving passageway and comprising a pair of cooperating clamp members aligned in side-by-side relation and comprising respective portions defining a recess therein for the steering tube.

11. (currently amended) A bicycle stem for connecting a bicycle handlebar to a bicycle steering tube, the bicycle stem comprising:

a body portion having a tubular shape with a hollow interior;

a handlebar clamping portion having a first arcuate extent and connected to an end of said body portion and having a generally rectangular shape;

a handlebar clamping member having a second arcuate extent and having a generally rectangular shape aligned with

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

said handlebar clamping portion and cooperating therewith to clamp the bicycle handlebar therebetween;

*A1
cont*

said handlebar clamping member and said handlebar clamping portion each having a recess for the handlebar and a cavity in a respective medial portion of the recess to accommodate an enlarged diameter portion of the handlebar, the cavity in said recess of said handlebar clamping portion extending fully over the first arcuate extent thereof, and the cavity in said recess of said handlebar clamping member extending fully over the second arcuate extent thereof, and wherein the cavity of said handlebar clamping portion has an opening therein in communication with the hollow interior of said body portion; and

respective fasteners for securing corners of said handlebar clamping member and said handlebar clamping portion together.

12. (previously amended) A bicycle stem according to Claim 11 wherein said recess of said handlebar clamping member defines with the cavity a pair of spaced apart contact areas for contacting the handlebar.

13. (original) A bicycle stem according to Claim 11 wherein said handlebar clamping member is removable from said handlebar clamping portion.

14. (previously amended) A bicycle stem according to Claim 11 and wherein said recess of said handlebar clamping

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

portion defines with the cavity a pair of spaced apart contact areas for contacting the handlebar.

15. (cancelled).

16. (original) A bicycle stem according to Claim 11 further comprising a steering tube clamping portion connected to an end of said body portion opposite said handlebar clamping portion.

17. (original) A bicycle stem according to Claim 16 wherein said body portion, handlebar clamping portion and steering tube clamping portion are integrally formed as a monolithic unit.

18. (original) A bicycle stem according to Claim 16 wherein said steering tube clamping portion has a tubular shape defining a steering tube receiving passageway therethrough, and wherein said steering tube clamping portion also has a clamp receiving passageway therein transverse to the steering tube receiving passageway and in communication therewith.

19. (original) A bicycle stem according to Claim 18 further comprising a steering tube clamp in the clamp receiving passageway and comprising a pair of cooperating clamp members aligned in side-by-side relation and comprising respective portions defining a recess therein for the steering tube.

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

20. (previously amended) A bicycle stem for connecting a bicycle handlebar to a bicycle steering tube, the bicycle stem comprising:

a body portion having a tubular shape defining a hollow interior;

A1
cont'd

a handlebar clamping portion having a first arcuate extent and connected to an end of said body portion and having a recess therein for the handlebar, said handlebar clamping portion further having an opening in a medial portion of the recess in communication with the hollow interior of said body portion;

a handlebar clamping member having a second arcuate extent and cooperating with said handlebar clamping portion to clamp the bicycle handlebar therebetween, said handlebar clamping member having a recess for the handlebar and a cavity in a medial portion of the recess, the cavity in said recess of said handlebar clamping member extending fully over the second arcuate extent thereof; and

at least one fastener for securing said handlebar clamping member to said handlebar clamping portion.

21. (original) A bicycle stem according to Claim 20 wherein said handlebar clamping member is removable from said handlebar clamping portion.

22. (original) A bicycle stem according to Claim 20 wherein said handlebar clamping member and said handlebar

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

clamping portion both have generally rectangular shapes
overlying one another.

23. (original) A bicycle stem according to Claim 22
wherein said at least one fastener comprises respective
fasteners securing corners of said handlebar clamping member
and said handlebar clamping portion together.

B1 cont
24. (original) A bicycle stem according to Claim 20
further comprising a steering tube clamping portion connected
to an end of said body portion opposite said handlebar
clamping portion.

25. (original) A bicycle stem according to Claim 24
wherein said body portion, handlebar clamping portion and
steering tube clamping portion are integrally formed as a
monolithic unit.

26. (original) A bicycle stem according to Claim 24
wherein said steering tube clamping portion has a tubular
shape defining a steering tube receiving passageway
therethrough, and wherein said steering tube clamping portion
also has a clamp receiving passageway therein transverse to
the steering tube receiving passageway and in communication
therewith.

27. (original) A bicycle stem according to Claim 26
further comprising a steering tube clamp in the clamp
receiving passageway and comprising a pair of cooperating

In re Patent Application of:
THOMSON ET AL.
Serial No. 09/658,509
Filed: SEPTEMBER 8, 2000

A1 cont
clamp members aligned in side-by-side relation and comprising
respective portions defining a recess therein for the steering
tube.